

Title (en)
Blocked polyurethane prepolymers as adhesives

Title (de)
Blockierte Polyurethan-Prepolymere als Klebstoffe

Title (fr)
Polyurethanes bloques comme adhesifs

Publication
EP 1634904 B1 20070606 (DE)

Application
EP 05018744 A 20050830

Priority
DE 102004043342 A 20040908

Abstract (en)
[origin: EP1634904A1] Reactive systems (A) comprises one or more blocked polyurethane prepolymer (A1) (based on aromatic, aliphatic, araliphatic and/or cyclo-aliphatic diisocyanate (B1), a polyol component (B2) and CH azide cyclic ketone (I)); one or more OH-functionalized compounds (A2); and optionally catalysts (A3) and further additives (A4). Reactive systems (A) comprises: one or more blocked polyurethane prepolymer (A1) (based on aromatic, aliphatic, araliphatic and/or cyclo-aliphatic diisocyanate with a free isocyanate (NCO) groups of 5-60 wt.%) (B1), a polyol component (B2) (containing at least a polyester polyol, a polyetherpolyol and/or a polycarbonate polyol) and CH azide cyclic ketone of formula (I) (where n is a blocking agent), where the isocyanate group containing blocked NCO groups of 0.1-20 wt.%; one or more OH-functionalized compounds (A2) (where the OH component is activated by beta -end amine component); and optionally catalysts (A3) and further additives (A4). X : electron with drawing group; R 1>, R 2>H, 1-20C (cyclo)alkyl, 6-24C aryl, 1-20C (cyclo)alkyl ester, 6-24C arylester or amide, mixed 1-24C aliphatic/aromatic residues (which can be also part 4-8 linear ring); and n : 0-5. Independent claims are also included for: (1) the preparation of (A); (2) preparation of composite systems, comprises coating either one- or both sides of the joining parts with (A); and (3) composite systems obtained by the method. [Image].

IPC 8 full level
C08G 18/80 (2006.01); **C09J 175/12** (2006.01)

CPC (source: EP KR US)
C08G 18/10 (2013.01 - EP US); **C08G 18/8093** (2013.01 - EP US); **C09J 175/04** (2013.01 - EP KR US); **C09J 175/12** (2013.01 - EP US)

C-Set (source: EP US)
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